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BULLETIN

OF THE

STATE BOARD OF HEALTH OF KENTUCKY

Vol. XI.

December, 1921

No. 5.



SCHOOL OF PUBLIC HEALTH

University of Louisville

ANNOUNCEMENT 1922

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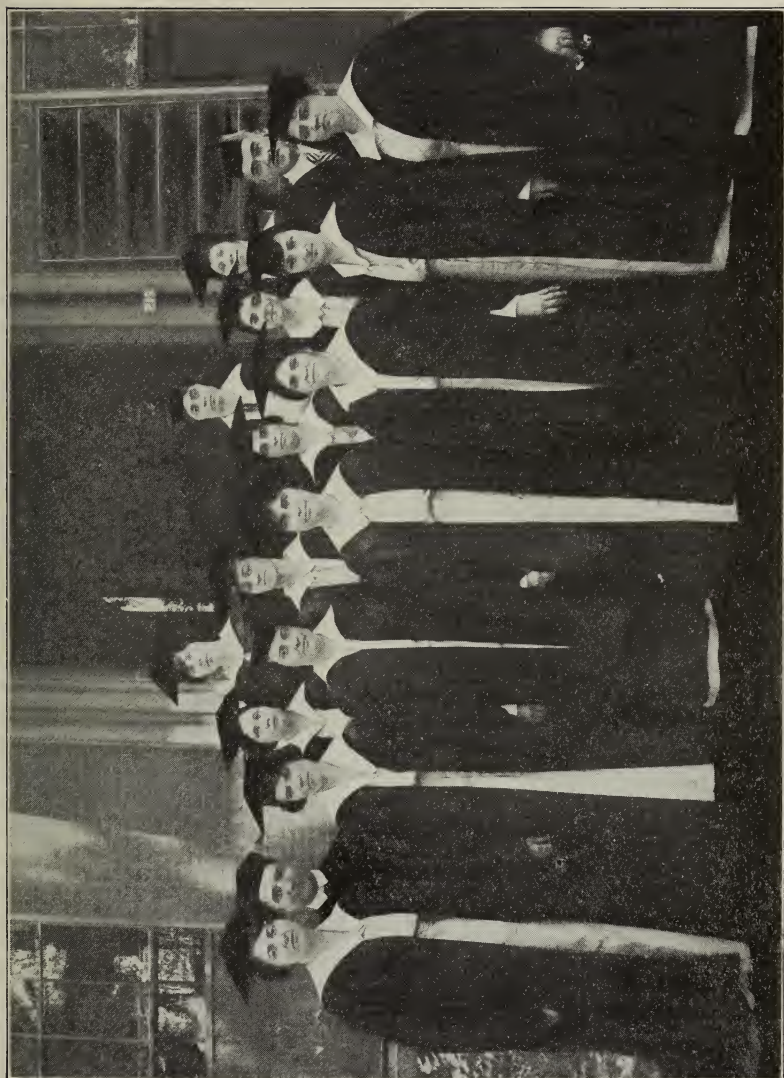
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ANNOUNCEMENT 1922

1922

JANUARY							FEBRUARY							MARCH							APRIL						
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Graduating Class—1921

CALENDAR

SCHOOL OF PUBLIC HEALTH

1922

January 3	Tuesday	Lectures resumed.
January 25	Wednesday	Examinations begin.
February 1	Wednesday	Second semester begins. Students registered first semester begin practical field work. Registration of new students for course leading to a certificate.
February 22	Wednesday	Washington's Birthday holiday.
April 14	Friday	Easter holidays begin.
April 17	Monday	Lectures resumed.
May 29	Monday	Examinations begin.
June 4	Sunday	Baccaulaureate sermon.
June 8	Thursday	Commencement.
September 18	Monday	Registration of new students for course leading to a certificate.
September 20	Wednesday	Instruction begins.
November 23	Thursday	Thanksgiving recess begins.
November 27	Monday	Lectures resumed.
December 23	Saturday	Christmas vacation begins.

ADVISORY BOARD

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MRS. MINNIE G. ALLEN,

Instructor in Principles of Teaching. Director, Kindergarten Training, Louisville Normal School.

MRS. MYRTLE APPEGATE, R. N.,

Instructor in Pre-Natal Nursing.

GUY AUD, B. A., M. D.,

Lecturer in Personal Hygiene. Assistant in Surgery, University of Louisville.

PHILLIP F. BARBOUR, M. D.,

Lecturer in Periodical Physical Examination of Children.

JAMES BLACKERBY, Ph. G.,

Lecturer in Vital Statistics. Director, Bureau of Vital Statistics, Kentucky State Board of Health.

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Lecturer in Publicity. Director, Division of Publicity, Kentucky State Board of Health.

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Lecturer in Periodic Physical Examination of Well People

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Lecturer in Sanitary Engineering. Director Bureau Sanitary Engineering, State Board of Health.

MARGARET DUGAN, R. N.,
Instructor in Infant Welfare Nursing.

FRANK S. FEARING, A. B.,
Lecturer in Human Conduct and Its Disorders. Clinical Director,
Psychological Laboratory, Louisville Welfare League.

EDITH E. FARRELL
Director of Recreation, Louisville Neighborhood House.

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Lecturer in Sanitary Jurisprudence.

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Lecturer in Immunology. Professor of Pathology and Bacteriology,
University of Louisville. Pathologist to Louisville City Hospital.

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Lecturer in Venereal Diseases. Director Bureau of Venereal
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Instructor in Municipal Sanitation.

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Lecturer in Administration of Social Work. Director of the
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Lecturer in Epidemiology. All Time Health Officer, Jefferson
County.

JAMES S. LOCK, M. D.,
Lecturer in Tuberculosis. Executive Secretary of the Kentucky
Tuberculosis Association. Director Bureau of Tubercu-
losis, State Board of Health.

JOHN McMULLEN, M. D., Surgeon U. S. P. H. S.
Lecturer in Trachoma.

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Instructor in Public Health Administration. Health Officer
City of Louisville.

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Instructor in General Visiting Nursing.

NELL E. PETERSON,,
Instructor in Bacteriology.

MICHAEL L. RAVITCH, M. D.,
Lecturer in Dermatology.

CERTIE REYNOLDS,
Instructor in Home Making Problems.

VERNON ROBBINS, M. D.,
Instructor in Bacteriology.

SOL A. STEINBERG, M. D.,
Instructor in Venereal Diseases.

LOUISE TRIGG, M. D.,
Instructor in Mental Nursing.

HENRY E. TULEY, M. D.,
Lecturer in Hospital Inspection. Dean of the Medical School,
University of Louisville.



An Illustrated Lecture in Community Hygiene.
Students in Class Room School of Public Health.

GENERAL STATEMENT

There is no greater human desire than that for good health. To secure it for the individual, reared amidst the complexities of modern civilization, requires trained leadership of the highest type which knows, and can put into practice, such personal and community health habits as will prevent the development of needless disease and physical or mental defects, thereby prolonging life and increasing efficiency.

The School of Public Health of the University of Louisville was established for the purpose of providing the training necessary for successful Health Officers and Public Health Nurses. In this, its fourth catalogue, it approaches its problem with the confidence given it by the success of its graduates in their various fields of responsibility. Although young in years, the School can point with pride to the fact that each of its graduates, who so desiring it, has been able to step into and successfully conduct the particular work for which she, or he, was fitted. The right foundation for a public health career is buildded in the School, and upon this our students are successfully erecting the organizations which, in their varying fields, are most essential.

It is not the purpose of the School to develop research workers nor specialists in the various branches of sanitary science. Its purpose, and in this purpose it has been, and is being, successful, is to develop practical Health Officers and Health Nurses, trained in welfare work, able to cope with the every day problems of the communities in which they serve.

It is realized that most of the sanitary progress that has been made in the past has been made by physicians who, while wholly untrained in the science of preventive medicine, have of necessity developed the art of sanitation. These part-time health officers have created a demand for trained all-time health workers who can convince all the people of the necessities of personal and community hygiene. To help in adequately supplying

this new and insistent demand in Kentucky and other states, the University of Louisville has established a School of Public Health for the practical education and training of Health Officers, Public Health Nurses, Laboratory Technicians and Sanitary Inspectors.

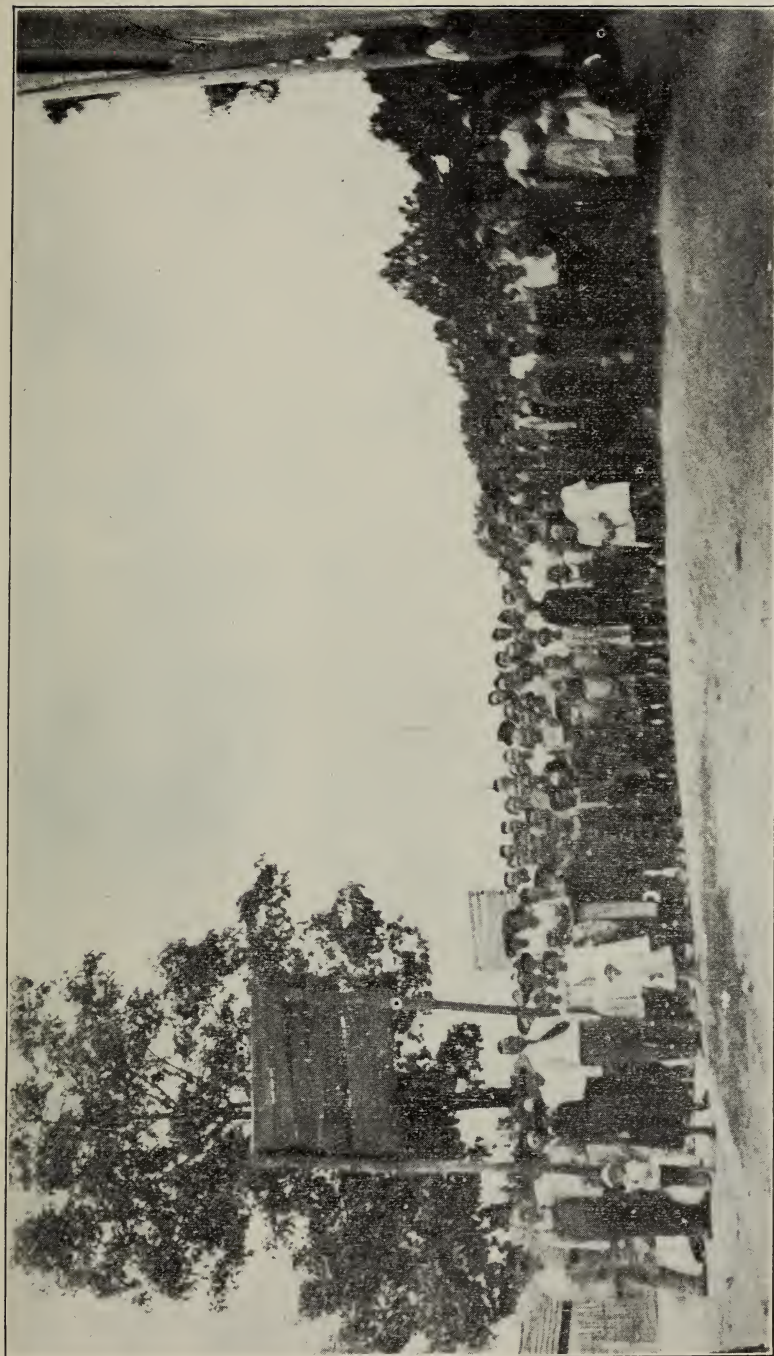
The faculty comprises the directors of the Bureaus of the State Board of Health of Kentucky, members of the faculty of the University of Louisville, of the Louisville Normal School, the directors of the Public Health Nursing Association of Louisville, and the Louisville Welfare League.

The cooperation of the Medical Department of the University, the American Red Cross, the Kentucky Tuberculosis Association, the Louisville Normal School and the Louisville Public Library has been constant and invaluable.

The school is conducted in a modern building, especially adapted for the purpose, which would cost \$300,000.00 to build, containing, also, the offices and equipment of the State Board of Health, including the laboratories. Each student spends enough time in the work of each bureau to be thoroughly acquainted with its methods and to be able to call upon it for the assistance it is intended to give him, or her, as a health official.

The field work is conducted in connection with the Health Department of the city of Louisville and in the splendidly organized and supervised Public Health Nursing Association of Louisville, ably directed by Miss Elmira Bears, and in one of the rural county health departments where there is a full-time health officer in charge, with a trained public health nurse, under the supervision of Miss Marian Williamson, State Director of Public Health Nursing. The students will be given practical work under competent supervision, in every line of activity in which they will be interested.

The demand for Health Officers and Public Health Nurses is constantly increasing. Students who are willing to apply themselves can be assured of splendid opportunities for service.



Patients waiting at the school for inspection—Traveling Trachoma Clinic.

PROGRAMS OF STUDY—REQUIREMENTS FOR ADMISSION

1. DOCTOR OF PUBLIC HEALTH.

Course leading to the degree of Doctor of Public Health.
(D. P. H.)

The purpose of this course is to furnish instruction in public health and administrative methods to those who have a liberal education and a fundamental training in medicine, so that they may serve as health officers in county or city.

Two classes of students will be accepted as candidates for this degree:

A. Graduates of an approved medical school who have had a liberal education as evidenced by a degree in arts or science or its equivalent. These candidates will be required to pursue a two year course and, in addition, to do practical work for one summer in an organized public health service.

B. Students who have completed satisfactorily three years in an approved medical school. Arrangements have been made whereby students can pursue a combined course in medicine and in public health of such a character that a student may receive his degree in medicine on the completion of four years' work and his degree in public health after an additional year or fifth year of work in this School and a summer of practical field work.

The tuition for this course is two hundred and fifty dollars (\$250.00) a year. The matriculation fee is five dollars (\$5.00).

Courses will be provided in the following subjects: Sanitary Law and Administration; Sanitary Engineering; Municipal Sanitation; Bacteriology; Immunology; Epidemiology; Personal, Tropical, Social and Mental Hygiene; Chemical and Bacteriological Analyses of Food, Water and Sewage; Vital Statistics; Race Pathology; Physical Anthropology; Communicable Diseases, and Public Health Nursing. A thesis on some specific field problem is to be submitted and approved before the degree is conferred.

CERTIFICATES

II. HEALTH OFFICERS.

CERTIFICATE OF PUBLIC HEALTH.

Graduates in medicine of an approved medical school will be accepted as candidates for this certificate.

The course may vary according to the individual needs of the applicant but it must include practical work in the fundamental branches necessary for the adequate preparation of the health officer in town and county work.

Courses will be provided in the following subjects:

Public Health Administration, including Publicity, Efficient Management and Public Speaking.

Bacteriology, including Parasitology, Serology and Immunology.

Hygiene—Personal, Dental, Community, Tropical, Periodic, Examination of the Well and School Medical Inspection.

Sanitation—Municipal, Sanitary Engineering and Sanitary Inspection.

Sociology—Vital Statistics, Health Laws, Rural Sociology, Social Diagnosis and Treatment.

Psychology.

Nutrition.

Practical field work is given in a full time County Health Department under the supervision of an All-Time Health Officer.



Nurses Graduated from the School of Public Health leaving their camp at sunrise for a School Clinic.—Travelling Trachoma Clinic.

III. PUBLIC HEALTH NURSES.

CERTIFICATE OF PUBLIC HEALTH NURSING.

Graduates of an accredited hospital training school, recognized by the National Organization for Public Health Nursing, who are registered nurses, will be accepted as candidates for the course in Public Health Nursing.

This course prepares nurses to serve in public health work, either as executives or staff nurses, in cities or counties.

The training consists of four months of academic and four months of supervised field work in Louisville and in one of the counties of the state having a full time health department.

Courses will be provided in the following subjects:

Public Health Nursing—Including Infant Welfare, Prenatal, School, Venereal, Tuberculosis, Mental, Industrial and General Visiting Nursing.

Nutrition—Including Home Making Problems.

Public Health Administration—Including Publicity, Public Speaking, Efficient Management.

Hygiene and Sanitation—Personal, Dental, Community.

Principles of Sociology—Including Vital Statistics, Health Laws, Rural Sociology and Social Diagnosis and Treatment.

Principles of Teaching—Including Child Psychology.

Bacteriology.

The Field Work in detail consists of the following:

PUBLIC HEALTH NURSING ASSOCIATION, LOUISVILLE

General Visiting Nursing..... 3 weeks

Infant Welfare and Prenatal..... 4 weeks

School Nursing 3 weeks

ASSOCIATED CHARITIES, LOUISVILLE..... 3 weeks

STATE DEPARTMENT OF PUBLIC HEALTH NURSING,

Rural 3 weeks

ELECTIVE 2 weeks

17 weeks

Credit in the field work will be given Public Health Nurses who are able to present satisfactory credentials of former public health experience.



Ready for the surgeon. Improvised operating room—Traveling Trachoma Clinic.

IV. SANITARY INSPECTORS.

CERTIFICATE OF SANITARY INSPECTOR.

Candidates for this course will be required to show satisfactory educational credentials. High school graduates will be given preference, but any student may qualify. This is a one year course furnishing instruction and field experience in the various branches of sanitary inspection and laboratory technique, equipping the student for effective work as assistant in state, county and city health departments.

Courses of study will be provided in the following subjects:

Sanitation—Municipal, Sanitary Engineering, Sanitary Inspection in all of its branches.

Hygiene—Personal, Community.

Bacteriology—Laboratory Technique emphasized.

Sociology—Including Vital Statistics, Health Laws.

Business—Including English, Arithmetic, Typewriting, Management, Publicity.

The field work will be obtained in the state, county and city Health Departments of Kentucky, including some of the hospital clinics.



The School of Public Health is on the third floor of



his the State Board of Health Building.



Another pair of eyes restored—Traveling Trachoma Clinic.

V. LABORATORY TECHNICIANS.

CERTIFICATE OF LABORATORY TECHNICIAN.

Candidates for this course will be required to show satisfactory educational credentials. High school graduates will be given preference, but other students may qualify.

This course will extend over a period of six months, six hours a day, and will include:

Preparation of Culture Media.

Blood Analysis which consists of Widal, Malaria, Blood Culture and Blood Counts.

Urine Analysis.

Tuberculosis—Examination of Sputum and Urine.

Diphtheria—Technique of Schick test.

Intestinal Parasites—Including Hook Worm.

Typing Pneumococcus.

Typhoid Group—Differentiation, Typhoid Carrier, Blood Culture for Typhoid Baccillus.

Rabies—Examination of Brain, Innoculation, Preparation of Vaccine.

Meningococcus—Spinal Fluid Analysis.

Gonococcus.

Preparation of Vaccines.

Complement Fixation Test for Syphilis and Gonorrhea.

Preparation of Tissues for Microscopic Examination.

Water and Milk Analysis.

Immunology.

Blood Chemistry.

Two hours weekly will be given to lectures in Personal and Community Hygiene.

This course prepares men and women to act as technicians in laboratories of all kinds.

SPECIAL COURSES

Although planned primarily for health officers and public health nurses, any one who is interested in public health problems and who possesses the educational qualifications, may enter as special students and take one or more of these courses for which a special certificate for the work accomplished will be given.

SPECIAL COURSE IN PUBLIC HEALTH FOR UNDERGRADUATE MEDICAL STUDENTS

In cooperation with the Medical Department of the University, the courses in Hygiene are being given at the School of Public Health. To such of the undergraduate students as will give their elective hours in the senior year to courses especially arranged for them, the certificate in public health will be given upon the completion of four months' field work.

Specially qualified students may take their field work during their junior vacation, thereby earning and receiving the certificate of public health, together with their diploma in medicine at the time of graduation.

AFFILIATION WITH HOSPITAL TRAINING SCHOOLS FOR NURSES

A limited number of senior pupil nurses from schools approved by their State Board of Nurses' Examiners will be admitted to the school for the four months theory given in the regular course for public health nurses upon the recommendation of the superintendents of their schools.

The certificate of public health nursing will be awarded such students as complete this course upon the fulfillment of the required four months' field work.

COLLEGE CREDIT

Credit will be given toward a Bachelor of Science Degree for work done in the School of Public Health, to any student who can qualify for admission to the University. The requirements for full admission are: Completion of the course of a good high school, or its equivalent. Students having a full high school and three years' training in an accredited hospital training school will be given college credit for their hospital training.

EXPENSES

PUBLIC HEALTH NURSES.

HEALTH OFFICERS.

Tuition and matriculation fee	\$ 65.00
Books and Stationery (approximately)	20.00
Minimum living expenses (approximately)	350.00
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Total	\$435.00

SANITARY INSPECTORS.

Tuition	\$200.00
Books and stationery (approximately)	30.00
Living Expenses (approximately)	420.00
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Total	\$650.00

LABORATORY TECHNICIANS.

Tuition	\$200.00
Books and stationery (approximately)	15.00
Living Expenses (approximately)	210.00
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Total	\$415.00

Those who desire more luxurious accommodations may secure them in various parts of the city.

SCHOLARSHIPS

A number of scholarships for public health nurses are offered by interested individuals and by civic clubs desirous of promoting the health and welfare of their communities.

Information concerning these scholarships may be obtained from the Director of the School.

The Red Cross announces for the ensuing year the appropriation of a scholarship and loan fund to be used for partial scholarships, supplemented by loans to be added to the student's own resources. These will be available for nurses who are especially qualified to undertake public health nursing. It will not be the policy to grant full scholarships. Either scholarship or loan carries with it the obligation to serve in the Public Health Nursing Service of the Red Cross for the year following the completion of the course.

Application should be made to Miss Malinde Havey, Director of the Red Cross Nursing Service, Lake Division, Plymouth Building, East 22nd street and Prospect avenue, Cleveland.

DESCRIPTION OF COURSES

PUBLIC HEALTH NURSING:

Principles, Organization and Supervision in Public Health Nursing. One semester hour.

Lectures, Conferences.

Miss Donaldson.

This course deals with the principles of public health nursing; the practical forms of organization considering the various types of organization, methods of development, problems of support and status, relation of the nurse to the physician and to the health, educational, philanthropic and judicial authorities and to other organizations; and the question of supervision.

Fields of Public Health Nursing: Two semester hours.

Lectures, Conferences.

Misses Bears, Bush, Dugan, Johnson, Williamson. Mesdames Applegate, Parmalee, Snedaker.

General visiting, prenatal, maternity, infant welfare, school, tuberculosis, industrial, rural trachoma, venereal and mental nursing and medical social service work will be presented in detail.

History of Nursing: One semester hour.

Reading course, quiz, elective.

Mrs. Dahlman.

Review of the historical development of nursing and the organization of the professional field.

NUTRITION: Two semester hours.

Lectures, recitations, laboratory work, conferences.

Miss Dolfinger, Mrs. Dahlman.

This course describes the essentials of an adequate diet, and the nutritive properties of common food materials. The practical use of such knowledge in the feeding of individuals and family groups is emphasized. The laboratory work comprises estimation of food values, the preparation and service of practical dietaries.

HOME MAKING PROBLEMS:

One semester hour.

Lectures, conferences.

Mrs. Dahlman, Miss Reynolds.

This course discusses home making problems from the standpoint of the public health worker. It endeavors to present a fairly vivid picture of home living conditions among families of small income, and discusses in a simple way the methods of helping such families. Special study is made of household accounts and budget planning.

HYGIENE:

These courses are open to the third year medical students at the University of Louisville. The health officer should be able to impress upon the people the necessity for periodic search by experts for focal and other infections, just as he, himself, searches the community for sources of communicable diseases; he should emphasize the necessity for correction of defects and for building up the body resistance so it will resist or overcome infection.

Personal Hygiene:

One semester hour.

Lectures, recitations and conferences.

Dr. Guy Aud.

This course considers the fundamental facts and principles concerning the human body in health; prevention of disease; improvement of health by hygienic means.

Dental Hygiene:

One-half semester hour.

Lectures, practical demonstrations.

Dr. Heymann.

This course will prepare students to make dental inspections in schools and detect oral conditions likely to produce disease.

Periodic Physical Examination of the Well: One-half semester hour.

Lectures.

Dr. C. W. Dowden.

As a primary step in personal hygiene the body should be thoroughly searched for focal infection, the great menace against health.

Community Hygiene : Two semester hours.
Lectures, conferences.

Drs. J. N. McCormack, A. T. McCormack, Owens, Lindenberger, Tuley, McMullen, Ravitch, Hancock, Steinberg, Abel, Lock, Mr. Dugan.

This course deals with the causes, general nature and control of preventable diseases in the home, school, community; the means of obtaining pure water supply and good sewage disposal in the rural districts and in the city; the organization and development of tuberculosis, trachoma, hookworm, skin and venereal clinics.

School Inspection : One semester hour.
Dr. Barbour, Dr. Veech.

Lectures and demonstrations in the physical examination of school children and the methods of securing correction of defects.

SANITATION :

Sanitary Engineering : One semester hour.
Lectures and conferences.
Mr. Dugan.

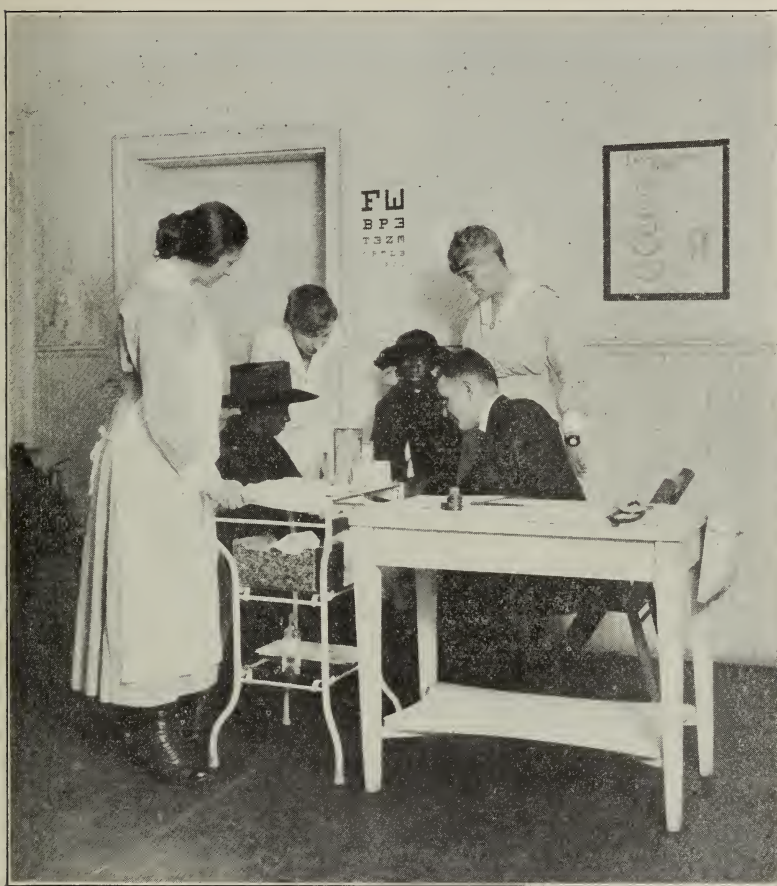
This course will consider methods of mechanical and chemical purification of water; the character and installation of water supplies for cities of various sizes; sanitary surveys of water-sheds, using maps; sewage and sewage disposal; scavenging and street cleaning; sanitary disposal of the dead.

Municipal Sanitation : One semester hour.
Lectures.
Mr. Murphy, Mr. Lewis.

The topics emphasized will include town planning; housing; lighting; heating; ventilation; air, its composition, physical impurities, methods of examination, quantity required for ventilation, and the best method to supply this quantity.

Sanitary Inspection : One semester hour.
Lectures, conferences, field work.
Dr. Tuley, Miss Vance.

The laws of sanitation in their relation to community institutions as hospitals, asylums and factories and in their relation to food establishments as dairies, slaughter houses, etc., will be practically applied in the actual inspection of such institutions.



Graduate Public Health Nurses at work—Infant Welfare Clinic.

BACTERIOLOGY:

The object of the instruction in this department is to give the students that knowledge of bacteriology which will be of most value in their public health work.

Bacteriology and Parasitology: semester hours.
Dr. South, Miss Kuhns, Miss Peterson.

Instruction is given to the student in making examinations of blood and sputum, discharges of the nose, throat, kidneys, skin and bones for the detection of the causes of malaria, tuberculosis, diphtheria, typhoid, dysentery, hookworm, typings of pneumonia and rabies. Consideration is given to the preparation and administration of vaccine and the bacteriological and chemical examination of milk, water and sewage.

Serology and Immunology: semester hours.
Dr. Graves.

Serology and immunology include a study of complement fixation, agglutination, precipitation, etc. The Wasserman complement fixation tests for syphilis are demonstrated and explained in detail, the essentials of titrations of amboceptor, complement and antigen, the necessity of control of every step and the diagnostic interpretation and application of the results being emphasized.

PSYCHOLOGY:

Principles and Methods of Teaching: One semester hour.
Lectures, conferences.
Mrs. Allen.

The general methods of health teaching for children are considered, also exhibit materials for general public education. The psychology of the growing child is studied intensively.

Human Conduct and its Disorders: One semester hour.
Lectures, field work.
Mr. Fearing.

In this course an endeavor will be made to acquaint the student with the various types of mechanisms by which man adapts himself to his environment. Consideration will be given to the mental testing of borderline feeble-mindedness.

PHYSICAL EDUCATION: One semester hour.

Miss Farrell, Mr. Hoyer.

Instruction is planned to put students in touch with modern methods in handling groups in a recreational way. Games and folk dances will be given special attention.

SOCIOLOGY:

Vital Statistics.

One semester hour.

Lectures, laboratory, conferences.

Mr. Blackerby, Mr. Anderson.

These lectures present a general discussion of birth and death registration; the legal and statistical value of records;



"I was sick, and ye visited me."

methods of compiling statistics and the interpretation of statistics.

Health Laws and Sanitary Codes: One semester hour.

Lectures and field work.

Miss Vance, Mr. Leopold.

Instruction in this course is arranged to give a general knowledge of public health laws regarding quarantine; the control of nuisances; the protection of infant life; the employment of children; food and drugs. Each student, under a trained inspector, will be given practical experience in inspecting milk depots, bakeries, etc.

Rural Sociology and Case Work With Families: One semester hour.

Lectures, conferences, field work.

Mr. Morgan, Mr. Liggett.

These lectures present the social conditions in the country and small towns; methods of thought; problems of recreation; care of tenants; dependency and rehabilitation. The technique of case work with families and the special problems that are likely to be met are studied intensively. The importance of social history and the process of securing it, the use of medical and other agencies, the interpretation of facts gained in an investigation and the development of plans of treatment will be covered in discussing each case.

PUBLIC HEALTH ADMINISTRATION:

Public Health Administration: One semester hour.

Lectures, field work.

Dr. A. T. McCormack, Dr. Blackerby, Dr. Owen.

Lectures are given on organization and administrative control of city and county boards of health. The fundamental principles underlying sanitary surveys are carefully studied and practice in making actual surveys of districts will be required.

Efficient Management: One semester hour.

Lectures, field work.

Dr. O'Connor.

The lectures in this course will cover the requirements for the efficiency of the individual worker and the social service organization as a whole.

Public Speaking : One semester hour.

Class practice in public speaking, including composition, adaptation and enunciation.

Publicity : Two semester hours.

Lectures, class discussions, themes exercises and required reading.

Mr. Brewer.

This course is designed to train the student in the use of Twentieth Century English, especial attention being paid to the preparation of stories for newspapers, the drafting of reports and the writing of business letters. The idea behind the course is that students can learn to write best by constantly writing.

GRADUATES OF THE SCHOOL OF PUBLIC HEALTH

1920.

PUBLIC HEALTH NURSES

Bennett, Lena
Dugan, Margaret
Fischer, Mary
Gallagher, Mary A.
Griffith, Ethel
Hill, Edna B.
James, Grace
Johnson, Lulu
Lewis, Josephine
Parmalee, Emma
Pearson, Elsie
Schnur, Elizabeth
Weiskopf, Charlotte Louise
Wettlauffer, Adele
West, Flora Redford

HEALTH OFFICERS.

John Theodore Hulskamp, M. D.
Gladys Newman, B. S.

1921.

Cochran, Barbara
Funke, Mary
*Gass, Eulah B.
*Hayward, Maude
Kaelin, Marie Antoinette
Maddox, Lillian
Owens, Alice
Peck, Mittie
Reinstedler, Edna A.
*Smith, Blanche
Snedaker, Mattie P.
*Sprague, Lillian
Wallingford, Florence

Samuel Joseph Brownstein, M. D.
Bernard James O'Connor, M. D.

*Field work not yet completed.

UNIVERSITY OF LOUISVILLE

MEDICAL DEPARTMENT.

Rated in class "A" by the Council of Medical Education of the A. M. A. and a member of the Association of American Colleges.

ENTRANCE REQUIREMENTS:

Applicants for admission to the Medical School of the University must have completed a four years' course in accredited high school, totaling fifteen Carnegie units, in addition two years of premedical college work as follows, totaling sixty semester hours:

Subjects recommended	Required Subjects:	Semester Hours
A modern foreign language.	Chemistry.....	12
Comparative vertebrate anatomy.	Physics.....	6
Psychology.	Biology (b).....	8
	English Comp. and Lit. (c).....	6

PRE-MEDICAL COURSE:

The two-year pre-medical course is given in the course of Arts and Sciences of the University.

INFORMATION:

For full information and bulletin of the University address

HENRY ENOS TULEY, M. D., *Dean*,

101 West Chestnut

Louisville, Ky.

HOSPITAL TRAINING SCHOOLS FOR NURSES

A great shortage of well trained, graduate nurses exists.

The demand for skilled, trained workers for the prevention of sickness and relief of distress is far greater than the supply.

Every young woman desiring a career may well consider the profession of nursing.

The following accredited Hospital Training Schools for Nurses offer a three year course in training to women between the ages of 18 and 35.

For further information write directly to the superintendents.

Booth Memorial Hospital Covington, Ky.
Catherine Webb, Supt.

Children's Free Hospital Louisville, Ky.
Frances Hymer, Supt.

City Hospital Owensboro, Ky.
Leretta Justice, Supt.

Deaconess Hospital Louisville, Ky.
Beta Scheirich, Supt.

Elizabeth Hospital Lebanon, Ky.
Florence Levy, Supt.

City Hospital Louisville, Ky.
Louise Oates, Supt.

Good Samaritan Hospital Lexington, Ky.
Josephine Royon, Supt.

Harrison County Hospital Cynthiana Ky.
Mary Flora Gates, Supt.

Jennie Stewart Memorial Hospital Hopkinsville Ky.
Wanda Williams, Supt.

Jewish Hospital Louisville, Ky.
Clara A. Fisher, Supt.

King's Daughters' Hospital	Ashland, Ky.
Mary A. Hart, Supt.	
Massie Memorial Hospital	Paris, Ky.
Mary Foreman, Supt.	
Mosley Hospital	Henderson, Ky.
M. Ruble Martin, Supt.	
Norton Memorial Infirmary	Louisville, Ky.
Alice M. Gaggis, Supt.	
Red Cross Hospital (Colored)	Louisville, Ky.
Mary Marritt, Supt.	
Riverside Hospital	Paducah, Ky.
Gela H. Martin, Supt.	
Southern Kentucky Sanatorium	Franklin, Ky.
Lee Guthrie, Supt.	
Speers Memorial Hospital	Dayton, Ky.
Sophia F. Steinhauer, Supt.	
St. Elizabeth's Hospital	Covington, Ky.
Dorothy Hoppenjans, Supt.	
St. Joseph's Infirmary	Louisville, Ky.
Sister Mary Basil, Supt.	
St. Joseph's Hospital	Bowling Green, Ky.
Hattie B. Tuck, Supt.	
St. Joseph's Hospital	Lexington, Ky.
Ona Riggs, Supt.	
St. Mary & Elizabeth's Hospital	Louisville, Ky.
Sister Aquinata Ryan, Supt.	



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